

Applicant: Valentino Campagnolo
Application No.: 10/632,777

IN THE CLAIMS

Please amend the claims as follows.

1-14. (Cancelled)

15. (Previously presented) A control system for a bicycle having a handlebar, comprising:

a mount adapted for positioning on the handlebar and for supporting a brake lever;

first and second electrical switches located in the mount;

a gear change mechanism in communication with the first and second electrical switches and being operatively associated with at least one of a front derailleur and a rear derailleur, wherein the gear change mechanism increases a gear ratio of the bicycle when one of the first and second electrical switches is activated and decreases the gear ratio when another one of the first and second electrical switches is activated;

a first button disposed on the mount for activating the first electrical switch;

and

a second button disposed on the mount for activating the second electrical switch;

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wherein the first and second electrical switches are located on a plate disposed in the mount;

wherein the first and second electrical switches are located on opposite sides of the plate, the plate being oriented such that the opposite sides are generally perpendicular to a portion of the mount that is configured to engage the handlebar.

16. (Cancelled)

17. (Previously presented) The control system of claim 15, further comprising a third electrical switch disposed on the plate and being in communication with a cycle computer.

18. (Original) The control system of claim 15, wherein the control system comprises two of the mounts being attached to the handlebar so that the front derailleur and the rear derailleur are each controlled by a separate mount.

19. (Cancelled)

20. (Canceled)

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21. (Currently amended) The control device of claim 20 ~~22~~, wherein the brake lever defines a path of motion when moving toward and away from the support body, the gear change selector rotates in a direction generally orthogonal to the path of motion to bring the gear change selector into contact with the selected one of the first and second electrical switches.

22. (Currently amended) ~~The control device of claim 20,~~

A motor driven derailleur control device mountable on a bicycle handlebar,
the control device comprising:

a support body having a portion thereof configured for mounting on the
bicycle handlebar, an interior cavity, and exterior walls;

a brake lever mounted to the support body for movement toward and away
from the support body;

a support plate located within the interior cavity of the support body;

at least first and second electrical switches mounted on the support plate,
each switch being operatively connected to a motor driven derailleur;

a gear change selector mounted behind and in selective contact with the
brake lever and in communication with a selected one of the first and second
electrical switches, wherein the gear change selector engages the selected one of the
first and second electrical switches to activate a first gear ratio change; and

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a gear change switch located on the exterior walls of the support body and in communication with another one of the first and second electrical switches, wherein the gear change switch engages the another one of the first and second electrical switches to activate a second gear ratio change;

wherein the first and second electrical switches are located on opposite sides of the support plate.

23. (Original) The control device of claim 22, wherein the support plate is oriented so that the opposite sides thereof are generally parallel to opposing interior cavity walls in the support body.

24. (Original) The control device of claim 23, further comprising a third electrical switch disposed in the support body and in communication with a cycle computer.

25. (Original) The control device of claim 24, wherein the third electrical switch is disposed on the support plate.

26. (Currently amended) The control device of claim ~~20~~ 22, wherein the gear change switch is attached to the support body for movement about an axis that

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is generally orthogonal to a path of motion defined by movement of the brake lever toward and away from the support body.

27. (Original) The control device of claim 22, wherein the support plate is oriented so that the opposite sides thereof are generally perpendicular to the portion of the support body that is configured for mounting on the bicycle handlebar.

28. (Currently amended) The control device of claim ~~20~~ 22, wherein the brake lever is rotatably attached to the support body about a pivot axis, the gear change selector being pivotally mounted to the brake lever about an axis generally perpendicular to the pivot axis.

29-35. (Canceled)

36. (Currently amended) ~~The method of claim 35;~~

A method of providing a motor driven derailleur control for a bicycle, the method comprising the following steps:

providing a support body having an interior cavity and a portion configured for mounting on a handlebar of the bicycle;

installing at least first and second switches on a support plate;

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positioning the support plate in the interior cavity;
pivotally interconnecting a gear change selector with the motor driven
derailleur control and establishing communication between the gear change selector
and one of the first and second switches, wherein when the gear change selector
activates the one of the first and second switches a first gear ratio change occurs;
and
attaching a gear change switch to the motor driven derailleur control and
establishing communication between the gear change switch and the other one of
the first and second switches, wherein when the gear change switch activates the
other one of the first and second switches a second gear ratio change occurs;

wherein the step of installing the first and second switches comprises positioning the first and second switches on opposite sides of the support plate.

37. (Currently amended) The method of claim ~~35~~ 36, wherein the step of positioning the support plate comprises orienting the support plate so that opposite sides thereof are generally parallel to opposing interior cavity walls in the support body.

38. (Original) The method of claim 36, further comprising the step of installing a third switch in the support body and establishing communication

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between the third switch and a cycle computer.

39. (Original) The method of claim 38, wherein the step of installing the third switch comprises installing the third switch on the support plate.

40. (Currently amended) The method of claim 35 36, further comprising attaching a brake lever to the support body so that the motor driven derailleur control can change a gear change ratio of the bicycle while braking.

41. (Currently amended) The method of claim 35 36, wherein the step of positioning the support plate comprises orienting the support plate so that opposite sides thereof are generally perpendicular to the portion configured for mounting on the handlebar.